

Search terms: (optical switch) and (free space) and (rotary mirror)

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR |
|----|-------------------------------------|--------------------------|------------------|------------|-------|---|------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 6330380 B1 | 20011211 | 8 | M input port by N output port optical switching system | 385/17 |
| 2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6318871 B1 | 20011120 | 7 | Optical mirror system with multi-axis rotational control | 359/872 |
| 3 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6317532 B1 | 20011113 | 14 | Method and apparatus for low loss via geometrical optimization in free-space micro-machined optical switches | 385/18 |
| 4 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6317251 B1 | 20011113 | 11 | Thin film electro-optic beam steering device | 359/318 |
| 5 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6278812 B1 | 20010821 | 11 | Protection schemes for mirror-failure in free-space micromachined optical switches | 385/18 |
| 6 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6256430 B1 | 20010703 | 11 | Optical crossconnect system comprising reconfigurable light-reflecting devices | 385/18 |
| 7 | <input type="checkbox"/> | <input type="checkbox"/> | US 6253001 B1 | 20010626 | 22 | Optical switches using dual axis micromirrors | 385/17 |
| 8 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6252715 B1 | 20010626 | 28 | Beam pattern contractor and focus element, method and apparatus | 359/618 |
| 9 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6243507 B1 | 20010605 | 15 | Connection-verification in optical MEMS crossconnects via mirror-dither | 385/13 |
| 10 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6181673 B1 | 20010130 | 26 | Slider design | 369/300 |
| 11 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6156030 A | 20001205 | 79 | Method and apparatus for high precision variable rate material removal and modification | 606/10 |

| | Current XRef | Retrieval Classif | Inventor | S | C | P | 2 | 3 | 4 | 5 |
|----|---|----------------------|------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 385/18 ; 385/22 | | Young, Eddie H. , et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | 359/223 ; 359/224 ; 359/225 ; 359/871 | | Hagelin, Paul Merritt | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | 385/15 ; 385/16 | | Lin, Lih Yuan , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | 359/315 ; 359/584 | | Wang, Feiling | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | 385/16 ; 385/17 ; 385/19 ; 385/24 ; 385/89 | | Lin, Lih Y. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | 385/17 ; 385/37 | | Jin, Sungho , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | 385/16 ; 385/18 ; 385/19 | | Hoen, Storrs T. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 | 359/197 ; 359/204 | | Rope, Ronald E. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 | 385/17 ; 385/18 ; 385/19 | | Goldstein, Evan Lee , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 | 360/234.3 | | Wilde, Jeffrey P. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11 | 216/94 ; 219/121.6 ; 219/121.61 ; 433/215 ; 433/29 ; 606/11 ; 606/13 ; 606/2 | | Neev, Joseph | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR |
|----|-------------------------------------|--------------------------|-----------------|------------|-------|--|------------|
| 12 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6134207 A | 20001017 | 35 | Optical data storage system having optical microswitch | 369/112.29 |
| 13 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6128122 A | 20001003 | 24 | Micromachined mirror with stretchable restoring force member | 359/224 |
| 14 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6091867 A | 20000718 | 8 | M input port by N output port optical switching system | 385/17 |
| 15 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6044056 A | 20000328 | 18 | Flying optical head with dynamic mirror | 369/119 |
| 16 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5937115 A | 19990810 | 20 | Switchable optical components/structures and methods for the fabrication thereof | 385/16 |
| 17 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5920664 A | 19990706 | 59 | Board-to-board and unit-to-unit optical interconnection system | 385/16 |
| 18 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5903687 A | 19990511 | 9 | M input port by N output port optical switching system | 385/17 |
| 19 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5870227 A | 19990209 | 30 | Scanning head lens assembly | 359/618 |
| 20 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5778016 A | 19980707 | 33 | Scanning temporal ultrafast delay methods and apparatuses therefor | 372/38.1 |
| 21 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5621829 A | 19970415 | 9 | Fiber optic switching device and method using free space scanning | 385/22 |
| 22 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5581643 A | 19961203 | 19 | Optical waveguide cross-point switch | 385/17 |

| | Current XRef | Retrieval Classif | Inventor | S | C | P | 2 | 3 | 4 | 5 |
|----|---|----------------------|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 12 | 369/44.12 | | Jerman, John H. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13 | 359/198 ; 359/199 ; 359/223 ; 369/112.29 ; 369/44.14 | | Drake, Joseph D. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14 | 349/197 ; 385/18 ; 385/20 ; 385/22 | | Young, Eddie H. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15 | 369/112.27 ; 369/112.29 | | Wilde, Jeffrey P. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16 | 359/130 ; 385/10 ; 385/20 ; 385/24 ; 385/31 ; 385/37 | | Domash, Lawrence H. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17 | 349/196 ; 385/147 ; 385/18 ; 385/20 ; 385/36 | | Hirabayashi, Katsuhiko , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18 | 385/18 ; 385/20 ; 385/22 | | Young, Eddie H. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 19 | 369/44.37 | | Rope, Ronald E. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 20 | | | Sucha, Gregg D. , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 21 | 385/115 ; 385/116 ; 385/119 ; 385/16 ; 385/17 ; 385/18 ; 385/24 ; 385/31 ; 385/33 | | Ford, Joseph E. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 22 | 385/18 | | Wu, Chi | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR |
|----|-------------------------------------|--------------------------|-----------------|------------|-------|--|------------|
| 23 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5473423 A | 19951205 | 41 | Method and apparatus for obtaining measurements in a plurality of light waveguides | 356/73.1 |
| 24 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5365239 A | 19941115 | 59 | Fiber optic feed and phased array antenna | 342/368 |

| | Current XRef | Retrieval Classif | Inventor | S | C | P | 2 | 3 | 4 | 5 |
|----|-----------------|----------------------|--------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 23 | | | Ruegenberg, Gervin , et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 24 | 342/424 | | Stilwell, Jr., P. Denzil | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

EAST Search

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR |
|---|--------------------------|--------------------------|------------------|------------|-------|--|------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 6329737 B1 | 20011211 | 19 | Rotary electrostatic microactuator | 310/309 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | US 6301403 B1 | 20011009 | 17 | Optical microswitch with rotary electrostatic microactuator | 385/18 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 6253001 B1 | 20010626 | 22 | Optical switches using dual axis micromirrors | 385/17 |

Search terms

(optic \$ adj switch \$) and
(optic \$ adj fiber \$) and
(rotat \$ adj micromirror \$)

| | Current XRef | Retrieval Classif | Inventor | S | C | P | 2 | 3 | 4 | 5 |
|---|--------------------------------|----------------------|-----------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 310/40MM | | Jerman, John H. , et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | 310/309 ; 385/16 | | Heanue, John F. , et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | 385/16 ; 385/18 ; 385/19 | | Hoen, Storrs T. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |